



North Carolina Department of Environment and Natural Resources

Dexter Matthews, Director

Division of Waste Management

Beverly Eaves Perdue, Governor
Dee Freeman, Secretary

October 15, 2009

Ms. Beth Dirks
Davie County Manager
123 South Main Street
Mocksville, NC 27028

Re: *Work Plan – Additional Landfill Assessment*
Davie County MSW Landfill, Permit #30-01 and
Davie County C&D Landfill, Permit #30-03

Dear Ms. Dirks:

The Solid Waste Section has completed a review of the *Work Plan – Additional Landfill Assessment* submitted on September 15, 2009 on behalf of Davie County by S&ME, Inc. for the closed Davie County MSW Landfill and closed Davie County C&D Landfill.

The *Work Plan – Additional Landfill Assessment* will characterize the nature and extent of the groundwater contamination at the facilities. This will include: reviewing the historical data; conducting a receptor survey; inspecting the landfill cap; determining the limits of waste; using geophysical activities to determine suspect fracture zones; installing two groundwater well pairs (shallow and deep); sampling the two groundwater well pairs for Appendix I constituents; conducting slug tests using the two groundwater well pairs; utilizing the BIOCHLOR model for attenuation characteristics; and submitting a landfill gas remediation plan. The assessment findings will be summarized in a report that will be submitted to the Solid Waste Section. Based upon the results of the additional assessment activities, a Nature and Extent Study report may be prepared if necessary.

As a result, the *Work Plan – Additional Landfill Assessment* is approved as described. If you have any questions or concerns regarding this letter, please contact me at 919-508-8500 or by email at jaclynnedrummond@ncdenr.gov. Thank you for your anticipated cooperation with this matter.

Sincerely,

Jaclynne Drummond
Hydrogeologist
Environmental Compliance
Solid Waste Section

cc: John Grey, Grey Engineering
Ed Henriques S&ME, Inc.
Mark Poindexter, Field Operations Supervisor
Jason Watkins, Central District Supervisor
Hugh Jernigan, Environmental Senior Specialist
Solid Waste Section Central Files